

## Geographic Spread



South Carolina reported sporadic activity this week.

## Influenza Activity



Overall, there was no change in influenza activity this week.

## Regional Influenza Activity



Increase



No change



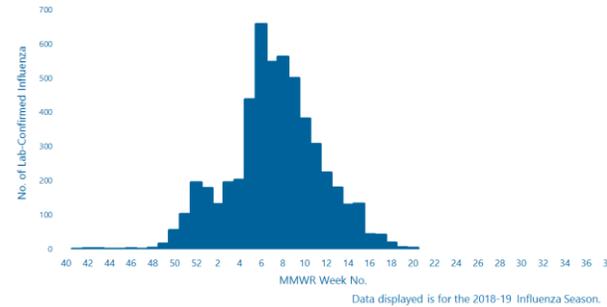
No change



No change

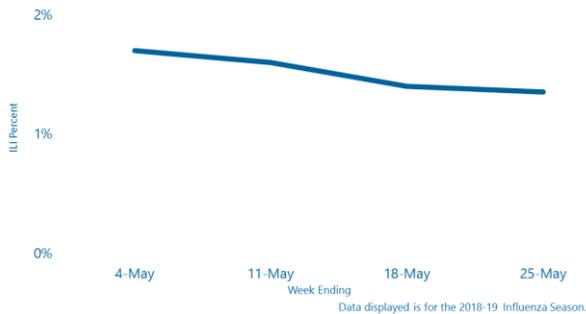
## Virologic Surveillance

This week there were **3** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4675** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 1.35%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was minimal.



## Influenza-Associated Hospitalizations

This week 7 influenza-associated hospitalizations were reported by 39 hospitals. The cumulative hospitalization rate is 53.0 per 100,000. In the current flu season, there have been 2661 influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week 0 influenza-associated deaths were reported. The cumulative mortality rate is 1.9 per 100,000. In the current flu season, there have been 96 influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

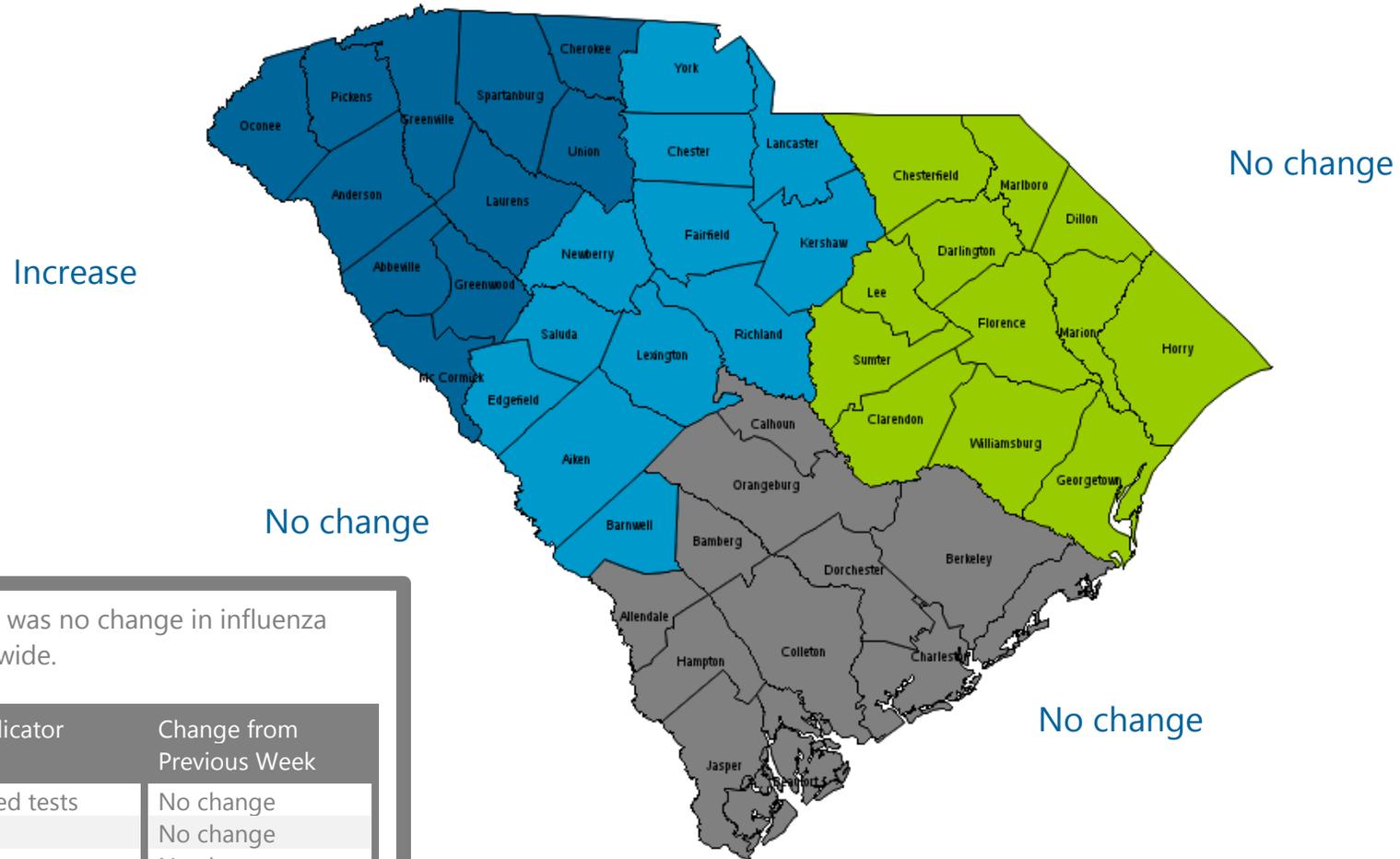
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	No change
Hospitalizations	No change

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

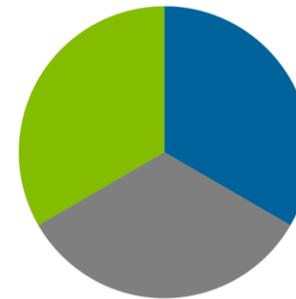
# Virologic Surveillance

Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		3	4675	3579	2443	1775
Influenza A		2(66.7)	4529(96.9)	2449(68.4)	1567(64.1)	1275(72.2)
A(H3)		--	599(13.2)	533(21.8)	407(26.0)	274(21.4)
A(H1N1)		1(33.3)	458(10.1)	212(8.7)	64(4.1)	298(23.3)
A(NS) <sup>*</sup>		1(33.3)	3472(76.7)	1704(69.6)	1096(69.9)	709(55.3)
Influenza B		1(33.3)	146(3.1)	1130(31.6)	876(35.9)	493.4(27.8)
B (Victoria)		--	2(1.4)	2 (0.2)	--	0.4 (0.1)
B (Yamagata)		--	--	55(4.9)	--	11 (2.2)
B (LND) <sup>+</sup>		1(100)	144(98.6)	1073(95.0)	876(100)	482(97.7)

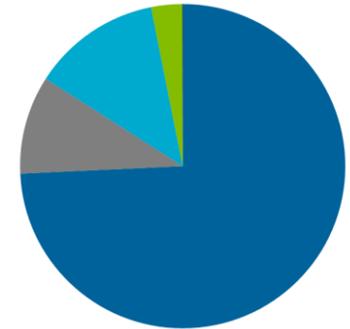
<sup>\*</sup>NS – not subtyped      <sup>+</sup>LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

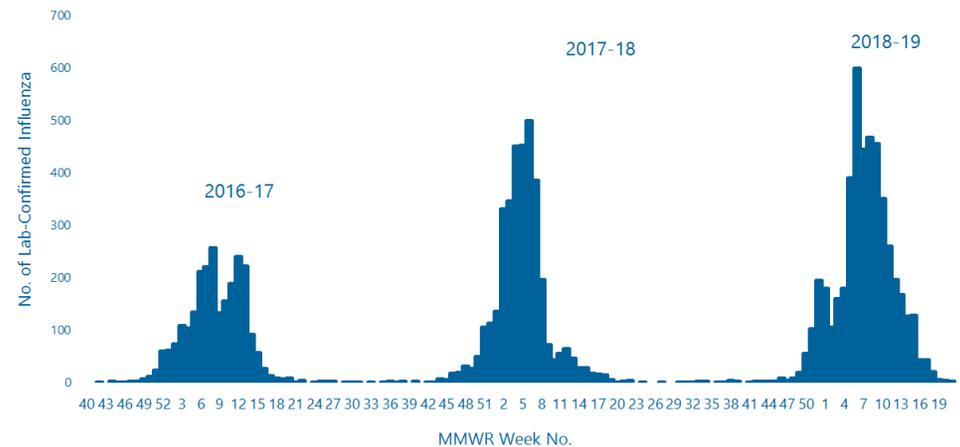
Week ending 5/25



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



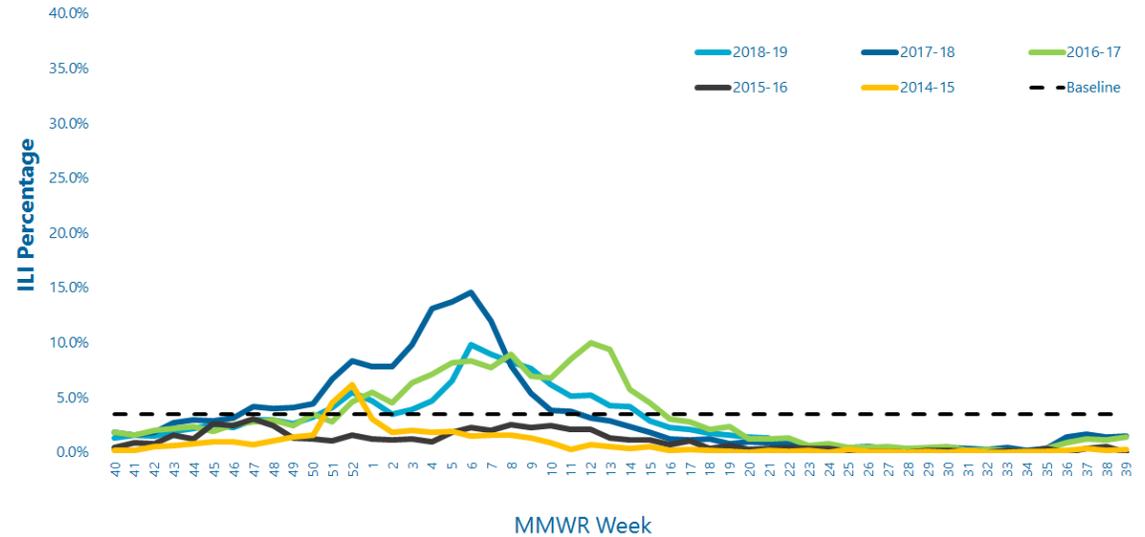
## Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 1.35% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

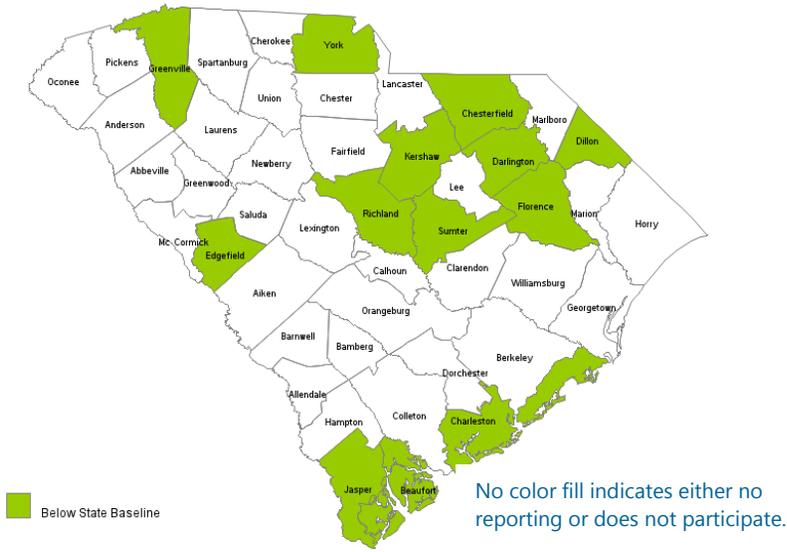
Reports were received from providers in 13 counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

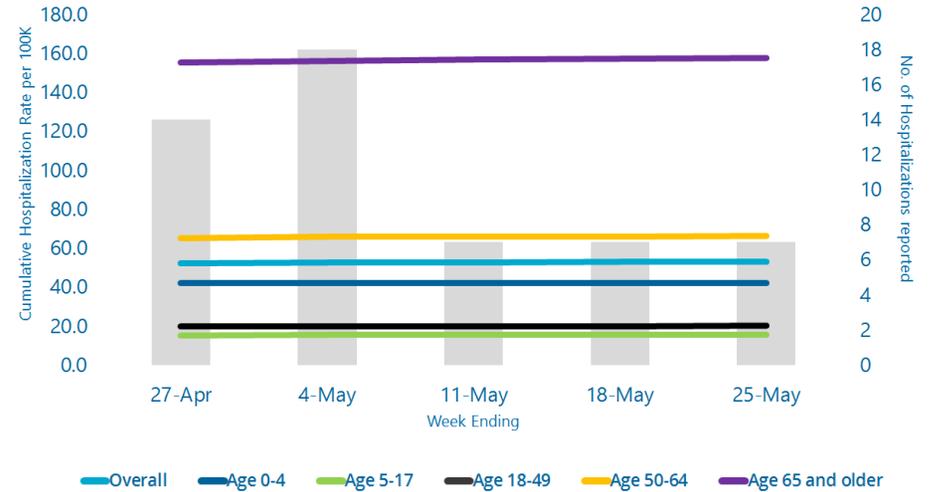
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	7(0.1)	--	--	1(0.05)	3(0.3)	3(0.4)
2018-19	2661(53.0)	123(41.9)	125(15.4)	412(20.0)	661(66.2)	1363(157.6)
2017-18	4492(89.4)	159(54.1)	141(17.4)	584(28.4)	1052(105.4)	2556(295.6)
2016-17	2493(50.3)	114(39.1)	131(16.2)	336(16.5)	559(56.4)	1353(163.1)
5 season average	2714(55.2)	157(54.1)	119(14.9)	439(21.6)	637(64.9)	1360(167.8)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	96(1.9)	2(0.7)	1(0.1)	7(0.4)	25(2.3)	61(7.1)
2017-18	288(5.7)	3(1.0)	--	27(1.3)	51(5.1)	207(23.9)
2016-17	94(1.9)	1(0.3)	1(0.1)	9(0.4)	15(1.5)	68(8.2)
5 season average	127(2.6)	1(0.3)	1(0.1)	15(0.7)	23(2.4)	87(10.7)



Influenza-Associated Deaths by Region

